EXAMINER'S AMENDMENT

1.   An examiner's amendment to the record appears below. Should the changes

and/or additions be unacceptable to applicant, an amendment may be filed as

provided by 37 CFR 1.312. To ensure consideration of such an amendment, it

MUST be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone

interview with Kevin M. Drucker on the 16th of September, 2008.

The application has been amended as follows:

a.   Claim 11 (Cancelled)

b.   Claim 1 (Currently Amended)

> *"A method of generating a schedule for two or more nodes of a*
>
> *network, the method comprising the steps of:*
>
> > *(a) generating a network graph accounting for delay*
> >
> > *between each node of the network;*
> >
> > *(b) generating a set of network constraints for the*
> >
> > *network graph, one or more of the network constraints based*
> >
> > *on the schedule accounting for each delay; and*
> >
> > *(c) decomposing in accordance with a Birkhoff-Von*
> >
> > *Neumann decomposition, into a set of transmission matrices, a*

traffic matrix for the network graph based on the set of network

constraints, the set of transmission matrices representing the

schedule over a frame period, <u>wherein step (c) decomposes the</u>

<u>traffic matrix R in accordance with the Birkhoff-Von Neumann</u>

<u>decomposition defined as:</u>

$$R \leq \sum_{k=1}^{K} \phi_k \sigma_k \text{ , with}$$

$$\sum_{k=1}^{K} \phi_k = 1 \text{ and}$$

<u>wherein the set</u> ⟨φ⟩ₖ₌₁ *<u>is a set of positive rational numbers of</u>*

<u>denominator F and</u> ⟨σ⟩ₖ₌₁ *<u>is a set of permutation matrices.</u>"*

c.   Claim 21 (Currently Amended)

   "A network of nodes interconnected by links including a

   processor comprising:

      first means for generating a network graph accounting

   for delay between each node of the network;

      second means for generating a set of network constraints

   for the network graph, one or more of the network constraints

   based on a schedule accounting for each delay; and

third means for decomposing in accordance with a

Birkhoff-Von Neumann decomposition, into a set of

transmission matrices, a traffic matrix $\underline{R}$ for the network graph

based on the set of network constraints, the set of transmission

matrices representing the schedule over a frame period,

wherein the traffic matrix R in accordance with the Birkhoff-

Von Neumann decomposition is defined as:

$$R \leq \sum_{k=1}^{K} \phi_k \sigma_k \text{ , with}$$

$$\sum_{k=1}^{K} \phi_k = 1 \text{ and}$$

wherein the set $(\phi)_{k \leq K}$ is a set of positive rational numbers of

denominator F and $(\sigma)_{k \leq K}$ is a set of permutation matrices."

d.   Claim 22 (Currently Amended)

"A computer-readable medium having stored thereon a

plurality of instructions, the plurality of instructions including

instructions which, when executed by a processor, cause the

processor to implement a method for generating a schedule for

two or more nodes of a network, the method comprising the

steps of:

(a) generating a network graph accounting for delay

between each node of the network;

(b) generating a set of network constraints for the

network graph, one or more of the network constraints based

on the schedule accounting for each delay; and

(c) decomposing in accordance with a Birkhoff-Von

Neumann decomposition, into a set of transmission matrices, a

traffic matrix for the network graph based on the set of network

constraints, the set of transmission matrices representing the

schedule over a frame period, wherein step (c) decomposes the

traffic matrix R in accordance with the Birkhoff-Von Neumann

decomposition defined as:

$$R \leq \sum_{k=1}^{K} \phi_k \sigma_k \text{, with}$$

$$\sum_{k=1}^{K} \phi_k = \mathbf{1} \text{ and}$$

> *wherein the set $(\Phi_k)_{0 \leq k \leq K}$ is a set of positive rational numbers of denominator F and $(\Phi_k)_{0 \leq k \leq K}$ is a set of permutation matrices.*"

Allowable Subject Matter

2.   Claims 1-9, 12-13 and 15-41 are allowable as evident by the above amendments (Claims are renumbered as 1-38 respectively).

3.   The following is an examiner's statement of reasons for allowance: The instant application is deemed to be directed to a nonobvious improvement over the invention in the closest prior arts of record.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Any inquiry concerning this communication or earlier communications from the examiner should be directed to MAXWELL A. CLARK whose telephone number is (571) 270-1956. The examiner can normally be reached on Monday through Thursday 7:30A.M. to 5P.M. EST.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Huy Vu can be reached on (571) 272-3155. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

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the automated information system, call 800-786-9199 (IN USA OR CANADA) or

571-272-1000.

September 17, 2008

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Examiner, Art Unit 2616

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